



ORT1458-US.ST25.txt

SEQUENCE LISTING

<110> Thurmond, Robin

Sherry, Baker

Karlsson, Lars

<120> Polynucleotide And Polypeptide Sequences Of Canine Cathepsin S

<130> ORT-1458

<140> US 10/010,580

<141> 2001-11-08

<160> 4

<170> PatentIn version 3.2

<210> 1

<211> 996

<212> DNA

<213> Unknown

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<223> DNA encoding canine cathepsin S

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gaagagaatg aggaagttagc acggcgctc atctggaaaa aaaatctaaa atttgtatg 180

cttcacaatc tggAACACTC aatggaaatg cattcatatg atctaggcat gaaccatctg 240

ggagacatga ctggtaaga agtgatatct ttgtatggtt ccctgagagt tccagccaa 300

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gcttcagcg ctgtggggc cctggaagca caactgaagc taaaaacagg aaagctggtg 480

tctctgagtg cacagaacctt ggtagattgc tcaactgaaa aatatggaa taaaggctgc 540

aatggcggtt tcatgacaac tgcttccag tatattattg ataacaacgg cattgattca 600

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<212> PRT

<213> canine cathepsin S

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35 40 45

Arg Leu Ile Trp Glu Lys Asn Leu Lys Phe Val Met Leu His Asn Leu
50 55 60

Glu His Ser Met Gly Met His Ser Tyr Asp Leu Gly Met Asn His Leu
65 70 75 80

Gly Asp Met Thr Gly Glu Glu Val Ile Ser Leu Met Gly Ser Leu Arg
85 90 95

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Val Pro Ser Gln Trp Gln Arg Asn Val Thr Tyr Arg Ser Asn Ser Asn
100 105 110

Gln Lys Leu Pro Asp Ser Val Asp Trp Arg Glu Lys Gly Cys Val Thr
115 120 125

Glu Val Lys Tyr Gln Gly Ser Cys Gly Ala Cys Trp Ala Phe Ser Ala
130 135 140

Val Gly Ala Leu Glu Ala Gln Leu Lys Leu Lys Thr Gly Lys Leu Val
145 150 155 160

Ser Leu Ser Ala Gln Asn Leu Val Asp Cys Ser Thr Glu Lys Tyr Gly
165 170 175

Asn Lys Gly Cys Asn Gly Gly Phe Met Thr Thr Ala Phe Gln Tyr Ile
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Ile Asp Asn Asn Gly Ile Asp Ser Glu Ala Ser Tyr Pro Tyr Lys Ala
195 200 205

Met Asn Gly Lys Cys Arg Tyr Asp Ser Lys Lys Arg Ala Ala Thr Cys
210 215 220

Ser Lys Tyr Thr Glu Leu Pro Phe Gly Ser Glu Asp Ala Leu Lys Glu
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Ala Val Ala Asn Lys Gly Pro Val Ser Val Ala Ile Asp Ala Ser His
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Tyr Ser Phe Phe Leu Tyr Arg Ser Gly Val Tyr Tyr Glu Pro Ser Cys
260 265 270

Thr Gln Asn Val Asn His Gly Val Leu Val Val Gly Tyr Gly Asn Leu
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Asn Gly Lys Asp Tyr Trp Leu Val Lys Asn Ser Trp Gly Leu Asn Phe
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